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                 GCGAACGACCTCGACCCGACCATCTCCGGCCTGCCGTTCGACTCCACTCCCCGGCCAGTTC 720
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RPEATQAAPDGLVPEPFHTIDQVLARMLDAGGFDEIETVWLLSAHSIAAANDVDPTIS
GLPPDSTPGQFDDSQFFVTQLRGTAFPGKTGIQGTVMSPLKGEMKLQTDHLFARDSRT
ACEWQSFVNNQTKLQEDFQFIFTALSTLGHDMNAMIDCSEVIPAPKPVNFGPSFFPAG
KTHADIEQACASTPFFTLITAFGFSASVARIPFPSPN"
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AWFPVLDDIQQNLFHGGQCGAEAHBALRWVFHDSIAISPKLQSQGKFGGGGADGSIIT
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Pred. No. 3.9e-168;
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Phanerochaete chrysosporium
Phanerochaete chrysosporium
Bukaryota, Fungi, Basidiomycota; Hymenomycetes; Homobasidiomycetes;
Aphyllophorales; Corticiaceae; Phanerochaete.
1 (bases 1 to 1263)
de Boer, H.A., Zhang, Y.Z., Collins, C. and Reddy, C.A.
Analysis of nucleotide sequences of two ligninase cDNAs from a
white-rot filamentous fungus, Phanerochaete chrysosporium
Gene 60 (1), 93-102 (1987)
                                                                                                                                                                                                                                                                                                                                                                            PHALIGH4 1263 bp mRNA linear P.Chrysosporium ligninase (CKG4) mRNA, complete cds. M18743 GI:169263
                                                                                                                                                The signal sequence processing region is located at positions 85-99. The precise demarcation between the signal peptide an mature peptide was not determined.
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                                          /db_xref="taxon:5306"
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                                                                        strain="BKM-F 1767"
                                                                                                                                    location/Qualifiers
                                                                                                       chrysosporium"
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Query Match Best Local Similarity Matches 1263; Conserv COUNT sig_peptide 661 601 601 541 721 661 541 481 481 421 421 361 361 301 301 241 241 181 181 121 121 61 19 GACTCCCAGTTCTTCGTCGAGACGCAGCTCCGCGGTACCGCATTCCCTGGCAAGACTGGT GCGAACGACGTCGACCCGACCTCCCGGCCTGCCGTTCGACTCCACTCCCGGCCAGTTC GCTGGTGGCTTCGACGAGATCGAGACTGTCTGGCTGCTCTCTGCCCACTCCATCGCGGCT CCGGGCCGCAGATGCAGTTCTTCCTTGGCCGCCCGAGGCAACGCAGGCCGCCCCC CACGGCGTCACCCGTGGCGACTTCATCGCATTCGCTGGTGCCGTCGGCGTGAGCAACTGC CACGGCGTCACCCGTGGCGACTTCATCGCATTCGCTGGTGCCGTCGGCGTGAGCAACTGC TACCACCCGAACATCGGCCTCGACGAGGTCGTCGCCATCCAGAAGCCGTTCATCGCGAAG GCCCTTCGTATGGTCTTCCACGACTCCATCGCTATCTCGCCCAAGCTTCAGTCGCAGGGC CTCGATGATATCCAGCAGAACCTCTTCCACGGTGGCCAGTGCGGTGCCGAGGCCCACGAG TCTCCGTCGCCCTGACCCTCAGGTCACCCAAGCTGCCCCGAACCTCGACAAGCGCGTC GCTGGTGGCTTCGACGAGATCGAGACTGTCTGGCTGCTCTGCCCACTCCATCGCGGCT CCGGGCGCGCAGATGCAGTTCTTCCTTGGCCGCCCGAGGCAACGCAGGCCGCCCCC CTCGATGATATCCAGCAGAAACCTCTTCCACGGTGGCCAGTGCCGATGCCGAGGCCCACGAG GCTTGCCCCGACGGCGTGCACACCGCCTCCAACGCGGCGTGCTGCTGCATGGTTCCCCGGTC CTCTCCGTCGCCCTGACCCTCCAGGTCACCCCAAGCTGCCCCGAACCTCGACAAGCGCGTC GTACAGCTCACCGTCCCGGTCTCAGCAGCAGCAATGGCGTTCAAGCAGCTCCTCGCAGCC GCTACAGCTCACCGTCCGGTCTCAGCAGCAGCAATGGCGTTCAAGCAGCTCCTCGCAGCC GCCCTTCGTATGGTCTTCCACGACTCCATCGCTATCTCGCCCAAGCTTCAGTCGCAGGGC 100.0%; ilarity 100.0%; Conservative 0; /translation="mafkollaalsvaltlovtoaapnldkrvacedgvhtasnaacc AWFPULDDIOQNLFHGGQCGAEAHBALRMVFHDSIAISPKLQSQGKFGGGGADGSIIT FSSIETTYHPNIGLDEVVAIQKEFIAKHGVTRGDFIEAFAQAVGNCFGAPQMQFFLG RPEATQAAPDGLVFEPFHTIOQVLARMLDAGGFDEIETVWLLSAHSIAAANDUPDTIS GLPFDSTFGQFFVETQLRCTAFPCKTGIQGTVMSFLKGEMRLQTDHLFARDSRT ACEWQSFVNNQTKLQEDFQFIFTALSTLGHDMNAMIDCSEVIPAPKPVNFGPSFFPAG KTHADJIQACASTPFPTLITAPGPSASVARIPPPPSPN" 100. .1137 /product="ligninase" /note="5' end uncertain" /note="5' end 247 /note="3' end uncertain" /protein_id="AAA33733.1" /db_xref="GI:169264" ٥, Score 1263; DB 8; Pred. No. 3.9e-168; ; Mismatches 0; đ Length 1263; Indels 0, 660 660 600 600 540 540 480 480 420 420 360 360 300 300 240 240 180 180 120 120 60 60

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Direct Submission
Submitted (20-UUN-1989) Naidu P.S., Michigan State University, Dept of Microbiology and Public Health, East Lansing MI 48824, U S A Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                     Phanerochaete chrysosporium
Phanerochaete chrysosporium
Phanerochaete chrysosporium
Eukaryota; Fungi; Basidiomycota; Hymenomycete
Aphyllophorales; Corticiaceae; Phanerochaete.
1 (bases 1 to 2318)
Naidu, P.S., Zhang, Y.Z. and Reddy, C.A.
Unpublished
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Phanerochaete chrysosporium LIP2
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                                                                                                                                             /organism="Phanerochaete chrysosporium"
/mol_type="genomic_DNA"
/strain="BKMF 1767, ATCC 24725"
/db_xref="taxon:5306"
179. .182
                                         join(346. .563,616. .672,734. .990,1050. .1360. .1475,1539. .1714,1765. .1829,1886. /gene="LIP2" .563,616. .672,734. .990,1050. .1360. .1475,1539. .1714,1765. .1829,1886. /gene="LIP2"
/codon_start=1
/product="lignin peroxidase"
/protein_id="CAA33621.1"
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